

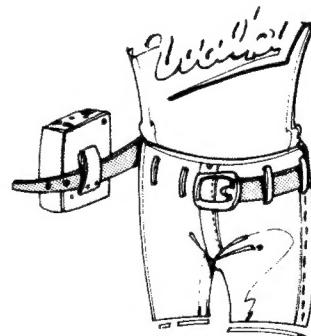
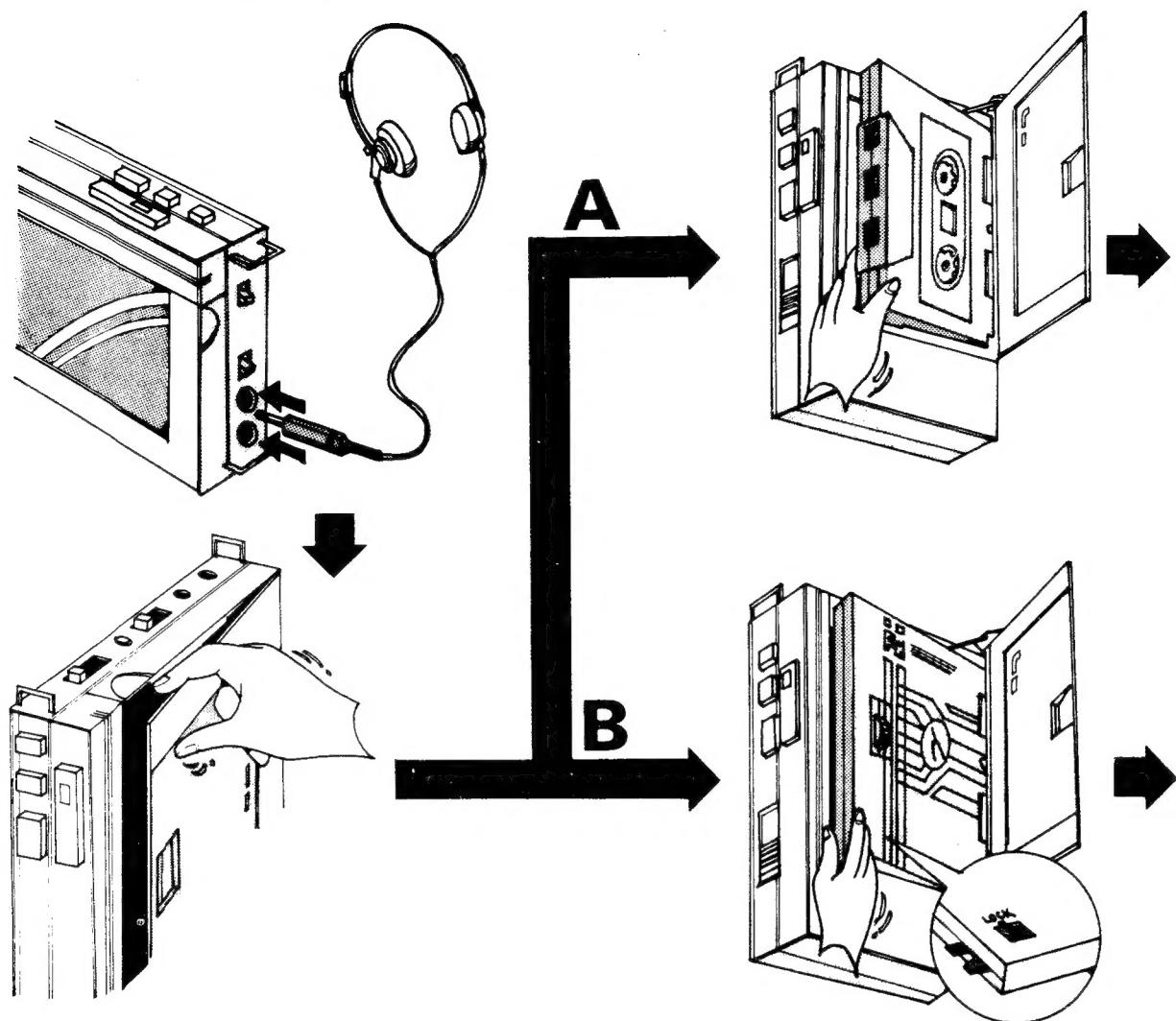
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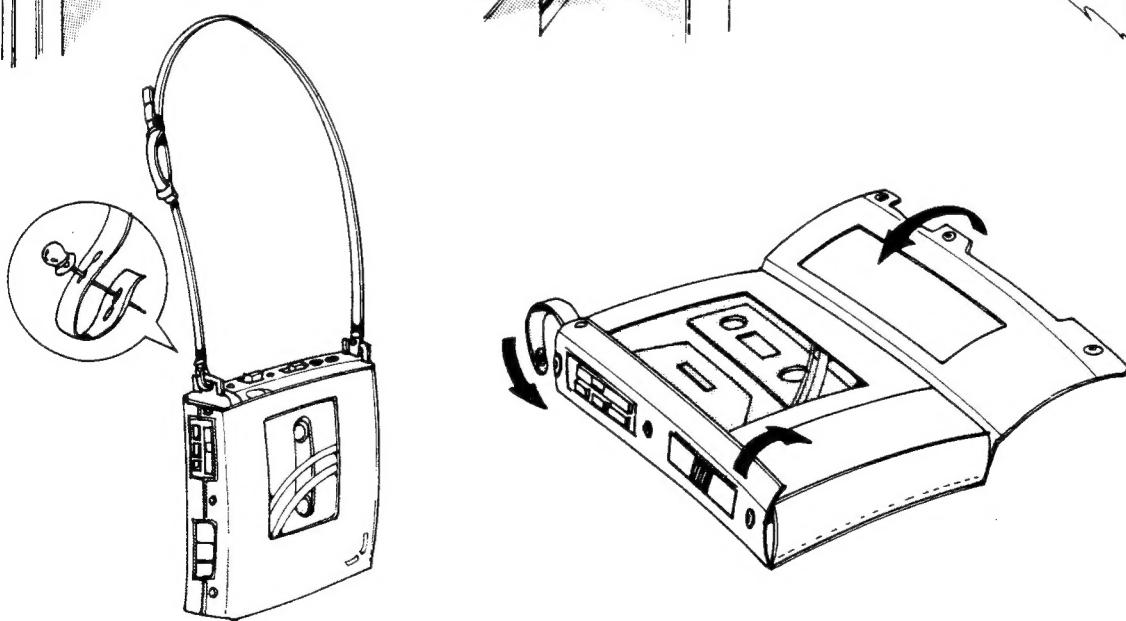
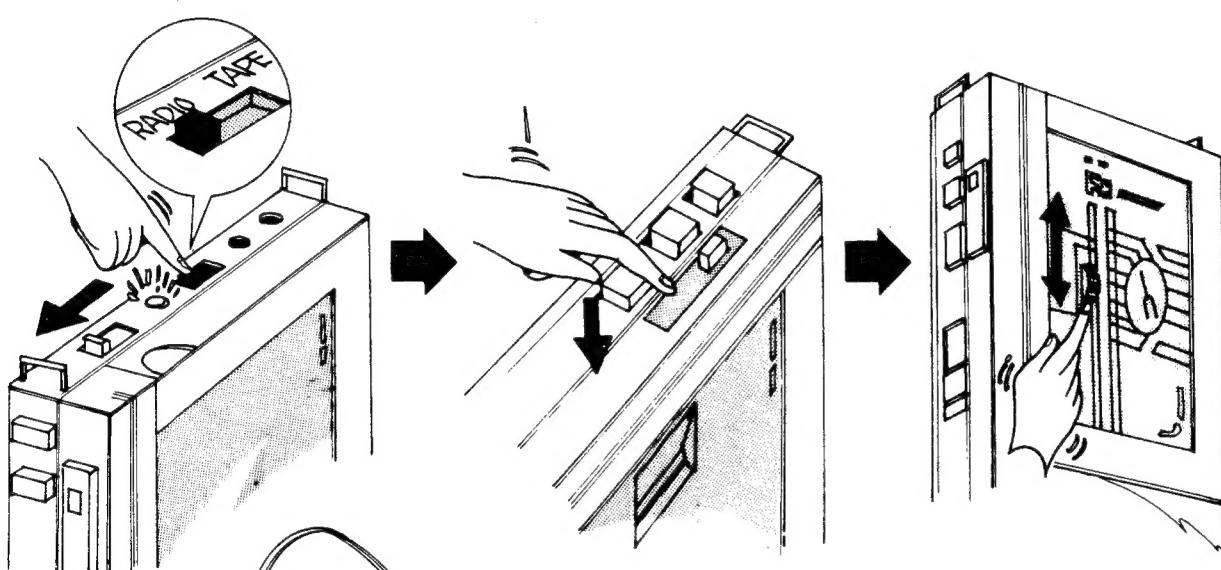
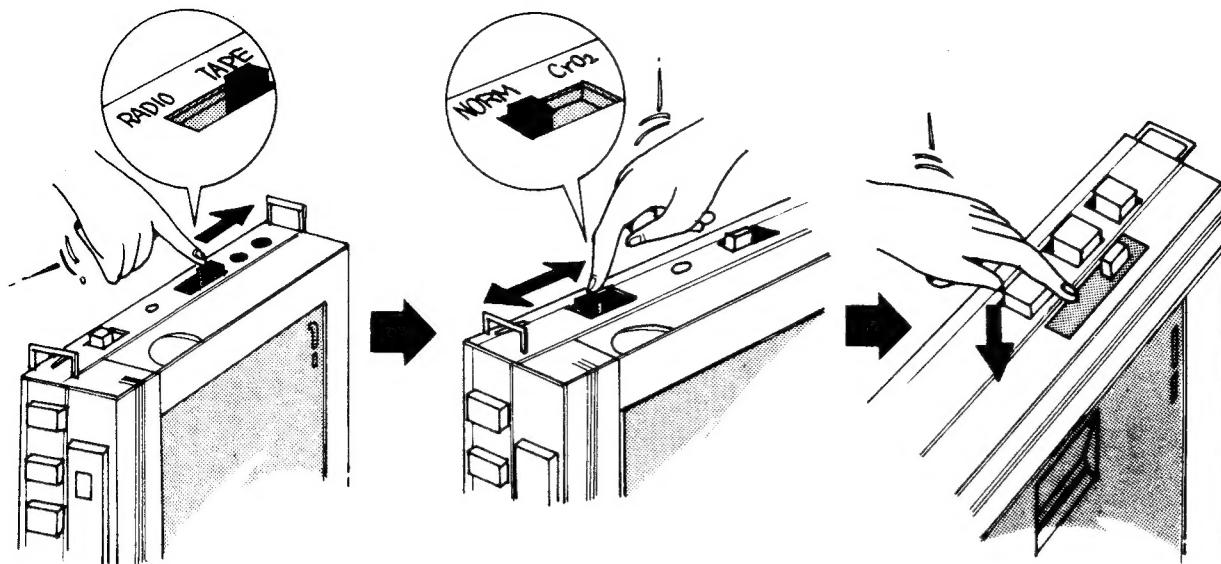
STEREO CASSETTE PLAYER

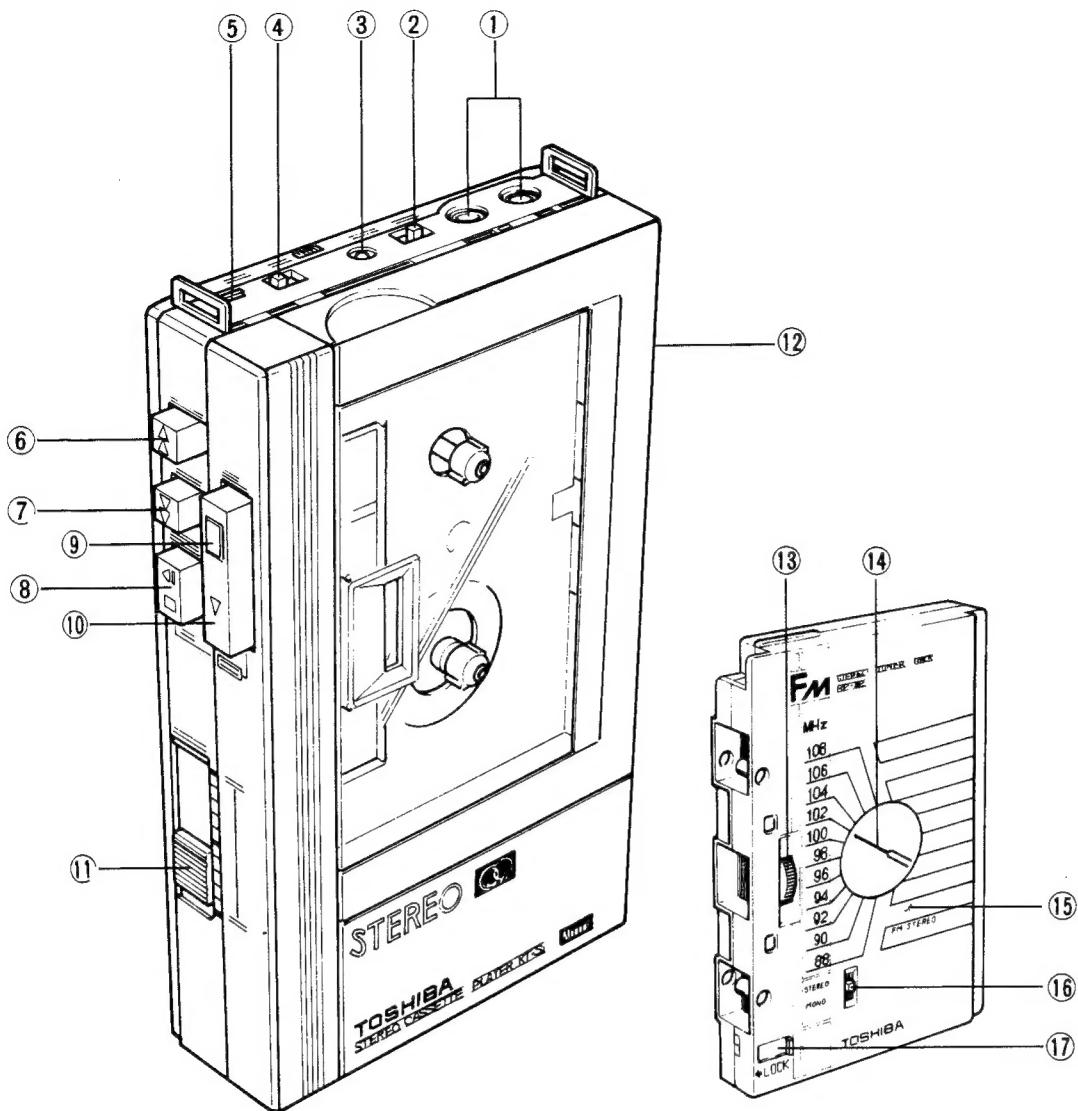
OWNER'S MANUAL

KT-S1

Operation Flowchart







Control Features

① [PHONES] jack	⑨ [TS] talk switch button
② [FUNCTION] switch (RADIO/TAPE)	⑩ [◀ PLAY/RADIO ON] button
③ [RADIO] indicator lamp	⑪ [VOLUME] control
④ [TAPE] selector	⑫ [DC IN 6 V] jack
⑤ [BATT] indicator	⑬ [TUNING] knob
⑥ [▶ REVIEW] rewind/review button	⑭ Tuning dial pointer
⑦ [◀ CUE] fast-forward/cue button	⑮ [FM STEREO] indicator
⑧ [■ STOP/EJECT, RADIO OFF] button	⑯ [STEREO/MONO] switch
	⑰ [LOCK] tab

Note: When no cassette is loaded in the unit, open the cassette compartment lid with your finger.

Power Supply

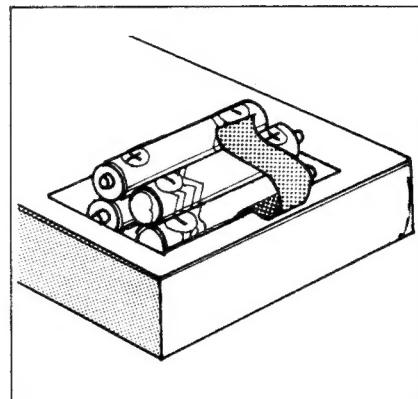
Dry Cell Operation

- Remove the battery compartment lid from the rear of the unit by pushing it in the OPEN direction shown by the arrow.
- Insert four "AA" dry cells into the compartment. Take care that the cells are oriented for correct polarity.
- When the [**PLAY**] button is depressed the [BATT] indicator lamp will go on. If this indicator remains off or is dim, the battery cells are discharged. Replace them with new "AA" dry cells.

AC Line Operation (with optional AC adaptor)

To power the unit from an AC mains outlet, purchase the optional AC adaptor. Plug the AC adaptor into a convenient AC outlet, then insert the output plug from the adaptor into the [DC IN 6 V] jack on the unit. This will automatically disconnect the internal batteries and supply power to the unit from the AC mains.

Note: The centre contact in the [DC IN 6 V] jack of this unit requires a positive voltage. Incorrect AC adaptors may provide a negative voltage to the centre contact, damaging the unit.



If the unit is to be left unused or is to be powered from the AC adaptor for a prolonged period of time, remove the dry cells from the unit. Otherwise, the cells may leak causing corrosion of unit parts.

Precautions for Headphone Listening

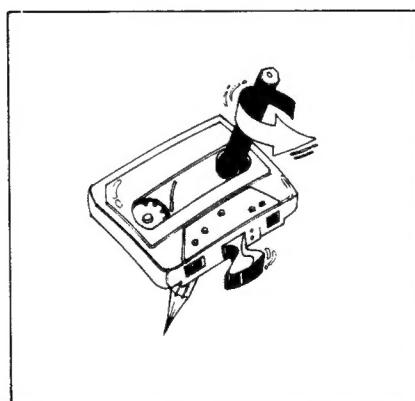
The supplied headphones are designed for stereo listening. If the headphones are plugged into an external speaker jack or earphone jack with mono design, sound output is obtained from only one of the phones.

Never plug an erase plug or earphone into the [PHONES] jack on the unit. An unrecoverable damage to the unit or earphone may result.

Cassette Tapes

Tape Slack

- Before inserting a cassette tape into the unit, take up any tape slack to prevent the tape from becoming entangled around the capstan. To do this, twist the cassette hub inside the cassette with a pencil.



Tape Playback

See the illustration on page 2, A.

- To stop the tape, press the [■▲STOP/EJECT] button slightly.
- To "pause" playback, set the [FUNCTION] switch to the RADIO position.
- For metal tapes and noise-reduction processed tapes, we recommend the **Metal** position.

Cue Feature [◀◀CUE]

While the tape is playing, if the [◀◀ CUE] button is pressed and held in, the tape will fast-wind forward. Thus allowing a particular point in the recorded programme to be found. When the button is released, normal playback will resume.

Review Feature [▶▶REVIEW]

While the tape is playing, if the [▶▶ REVIEW] button is pressed and held in, the tape will fast-wind backward. When the button is released, normal playback will resume.

Auto Shut Off (ASO)

The AUTO SHUT OFF feature automatically disengages the tape transport and switches off the unit when the end of the tape is reached in playback mode. Always press the [■▲STOP/EJECT] button to disengage the tape transport in fast-forward and rewind modes.

FM Reception with the FM Tuner Pack

See the illustration on page 2, B.

- When a stereo programme is received, the [FM STEREO] indicator lamp goes on.
- To stop the radio, press the **[RADIO OFF]** button.
- When removing the tuner pack from the unit, open the cassette holder, slide the [LOCK] tab back to the home position, then remove the pack from the compartment.
- When you are in a fringe service area of a particular FM station, the stereo programme from that station may be noisy. In such a case, either stretch the headphone cord or set the [STEREO/MONO] switch to MONO to reject the noise interference.

Notes on Tuner Pack Operation

- When the supplied tuner pack is used with the unit, the headphone cord functions as an antenna. To insure maximum tuner sensitivity, keep the headphone cord (antenna) always straight. Do not fold it.
- Reception sensitivity depends on the placement of the headphone cord. Try to determine the cord position which provides the best sensitivity.
- The contact of connecting terminals or jacks on the unit and tuner pack may become defective as a result of prolonged use. Clean the connection surfaces with the cotton swab dampened with a contact cleaner agent or alcohol; do not drip cleaning solvent on the unit case.

The T.S. Talk Switch

Two separate headphones can be connected to the set to enable two people to listen to tape or radio together.

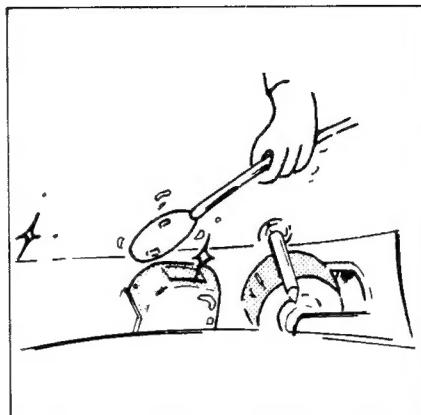
When the T.S talk switch is depressed, the tape or radio sound is decreased to make it easier to hear other sounds such as people speaking etc.

Care and Maintenance

To ensure the highest performance from your recorder, keep the entire tape path, including the playback head, pinch roller, and capstan, completely clean.

Cleaning the Tape Path

Press the [**■▲STOP/EJECT**, **RADIO OFF**] button to open the cassette holder. Then press the [**◀PLAY/RADIO ON**] button to raise the head. Dip a cotton bud into a little alcohol, remove excess alcohol from the bud, then clean the entire tape path with the bud. During cleaning, take care to avoid scratching the head surface.



Cleaning the Unit Housing

To clean the unit housing, use a soft, dry cloth. If dirt persists, use a soft cloth slightly dampened with water. After cleaning, wipe the unit surface with a dry cloth.

Caution: Never use chemicals such as benzene or paint thinner for cleaning. Otherwise, the case may be deformed or discoloured.

Notes and Precautions

1. Do not depress the [**■▲STOP/EJECT**] button when the snap fasteners on the carrying case lid are fastened.
2. To prevent possible trouble or physical deformation, avoid operating or leaving the unit in places where:
 - They will be in the path of direct sunlight. (Especially in a closed car.)
 - They are subject to direct radiation or hot airflow from heating devices.
 - They are subject to oily smoke or excessive moisture, as in a kitchen, etc.
3. Do not place the unit or cassettes near highly magnetic materials. Do not leave them on a radio, TV, or stereo equipment.
4. Do not touch the unit with bare, wet hands.

In Case of Difficulty

If your unit is not operating properly, check the points listed in the following table.

- Tape fails to move
 - Is the [FUNCTION] switch set in the RADIO position?
- Poor radio sensitivity:
 - Straighten the headphone cord.
 - Set the [STEREO/MONO] switch to MONO, or use the unit near windows.
- Radio inoperative:
 - Clean the contacts on the tuner pack or unit with a cotton swab.

Specifications

— Tape Section —

Track system:	Stereophonic
Recommended tape:	Normal ferric, chrome dioxide, and metal alloy: C-30 to C-120
Tape speed:	4.8 cm/sec.
Frequency response:	Reproduction: 40—12 kHz
Output terminals:	3.5 mm dia. stereo headphone jack x 2
Maximum output power:	Integration: 80 mW (40 mW + 40 mW) 32 ohm with load
Battery life:	Approx. 5 hours for tape playback at 1 mW output. Approx. 11 hours for radio operation.
Power supply:	6 V DC (SUM-3 "AA" x 4) External power source supplied to the [DC IN 6 V] jack (5.0 mm dia. center contact positive)
Dimensions:	89.5 (W) x 148 (H) x 31.5 (D) mm
Weight:	430 g (including batteries but not the tuner pack)

— Tuner Section —

Receiving frequency:	88 MHz—108 MHz
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- This FM stereo tuner pack (RP-S2) is designed exclusively for this unit, KT-S2 and KT-R2, and is not usable in other types of cassette recorders.
- Specifications are subject to change without notice due to improvements.